

Performance Analysis and Comparison of MPI, OpenMP and Hybrid NPB – MZ

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Main Tasks:

- Developing the Processor Partitioning Scheme:
 1. Got all results for processor partitioning scheme.
 2. Added those results to my paper with the Scalability Analysis.
 3. Found a pattern on DataStar p655, that is, for less amount of processors per node the execution time decreases.
 4. Not the same case for Hydra, could not find a pattern.
 - a. Hydra have shared nodes unlike DataStar p655 that the nodes are dedicated.
- Went to a group meeting with Dr. Wu, Sameh, Deji and Tim where we discussed our latest results.

Main Goals for future:

- Continue editing my paper.
- Start a hardware-level analysis with hpmcount to deeper understanding of the Scalability Analysis results.
- Manually upload the performance results on prophesy.

Need Help:

- I need some kind of guidance on what I am going to analyze with hpmcount.
- Also need guidance on how to upload the performance results on prophesy.